

1 Abstract

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3 The present invention methods and novel compounds
4 for facilitating tissue repair and regeneration when
5 the extracellular matrix is damaged. Specifically,
6 binding of the beta 1 integrin is shown to provide a
7 modulation of its functional activity resulting in
8 up regulation of extracellular matrix anabolism.

9 The invention therefore provides a method and novel
10 compounds which can facilitate tissue regeneration
11 in many systems such as the lung, skin, liver and
12 bone. In particular, the binding of the JB1a
13 antibody to a site of amino acid residues 82 to 87
14 of the mature beta 1 integrin is shown to be
15 particularly effective in mediating the described
16 tissue repair effect.